A8912-1 11/23/82

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE November 10, 1982

MONTHLY SEISMIC CREW COUNT (Month of October, 1982)

During October, the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters declined by nineteen. According to the latest monthly report from the Society of Exploration Geophysicists, the October total was 516, down eleven land crews and eight marine vessels since September.

The October total (516) represents a decrease of 4% since last month, a 30% decrease from October, 1981, a 9% decrease from October, 1980, an 18% increase over October, 1979, a 39% increase over October, 1978, a 57% increase over October, 1977, and a gain of 93% over the same month in 1976.

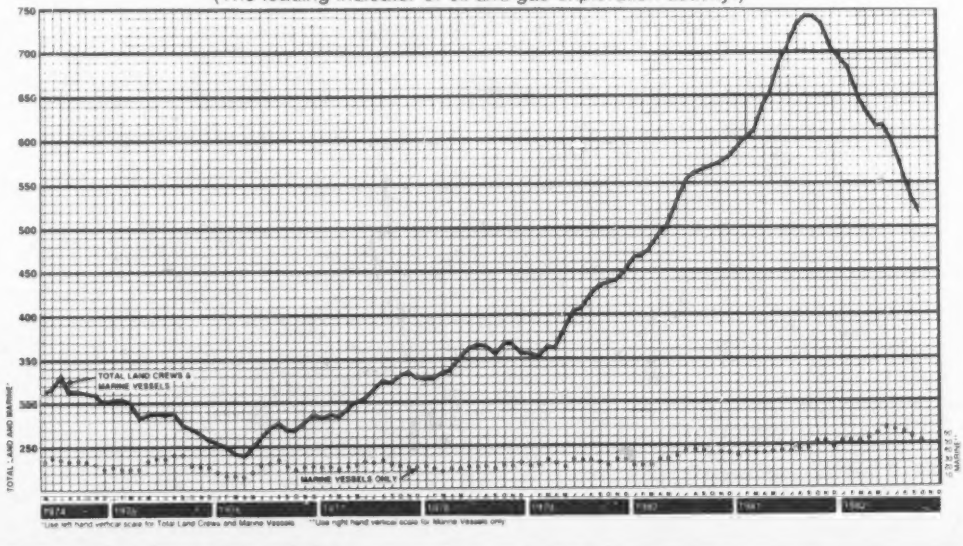
During October, thirteen contractors were operating thirty-two of the 423 land crews and four of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 516	Last Month 535	Oct.'81 741	Oct.'80 571	Oct.'79 436	Oct.'78 371	Oct.'77 330	Oct.'76 267

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Oct. 1981	Oct. 1980	Oct. 1979	Oct. 1978	Oct. 1977	Oct. 1976	This Mo.	Last Mo.	Oct. 1981	Oct. 1980	Oct. 1979	Oct. 1978	Oct. 1977	Oct. 1976
83 Contr's:	423	434	646	490	368	305	268	212	42	50	44	33	24	23	23	17
10 Oil Co's:	42	42	43	40	39	37	34	34	8	8	7	7	4	4	4	4
1 Gov't.:	0	0	0	0	0	0	0	--	1	1	1	1	1	2	1	--
Totals:	465	476	689	530	407	342	302	246	51	59	52	41	29	29	28	21

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



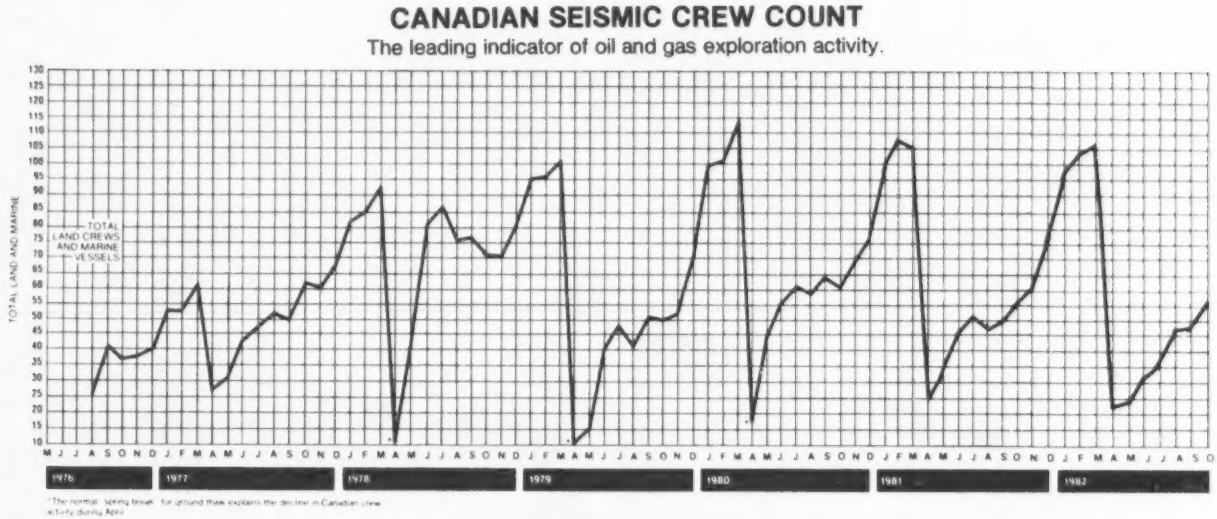
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

SEG Headquarters Office: Box 3098, Tulsa, Oklahoma 74101, Tel. (918) 743-1365

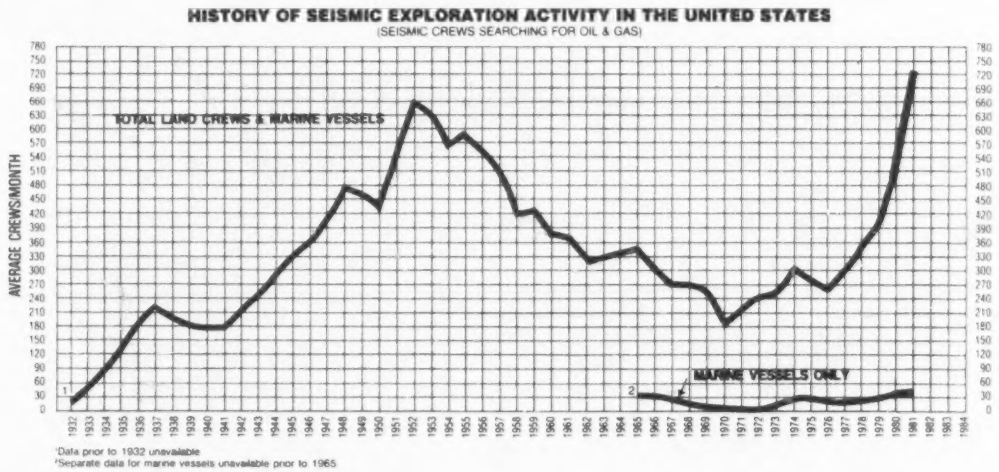
CANADIAN SEISMIC CREW COUNT

October, 1982 (September figures in parentheses)

	Land Crews	Marine Vessels
23 Contractors:	47 (35)	6 (7)
3 Oil Companies:	4 (4)	0 (0)
Totals:	51 (39)	6 (7)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS/MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY

[1]Data prior to 1932 unavailable.
[2]Separate data for marine vessels unavailable prior to 1965.

DAVID L. YOWELL
Assistant Executive Director

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

December 10, 1982

MONTHLY SEISMIC CREW COUNT

(Month of November, 1982)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during November declined by fourteen from the October total. According to the Society of Exploration Geophysicists' latest monthly report, the November total was 502, compared with 516 the preceding month.

The November total (502) represents a 3% decline since last month, a 31% decline over November, 1981, a 12% decline over November, 1980, a 14% increase over November, 1979, a 36% increase over November, 1978, a 50% increase over November, 1977, and a gain of 83% over the same month in 1976.

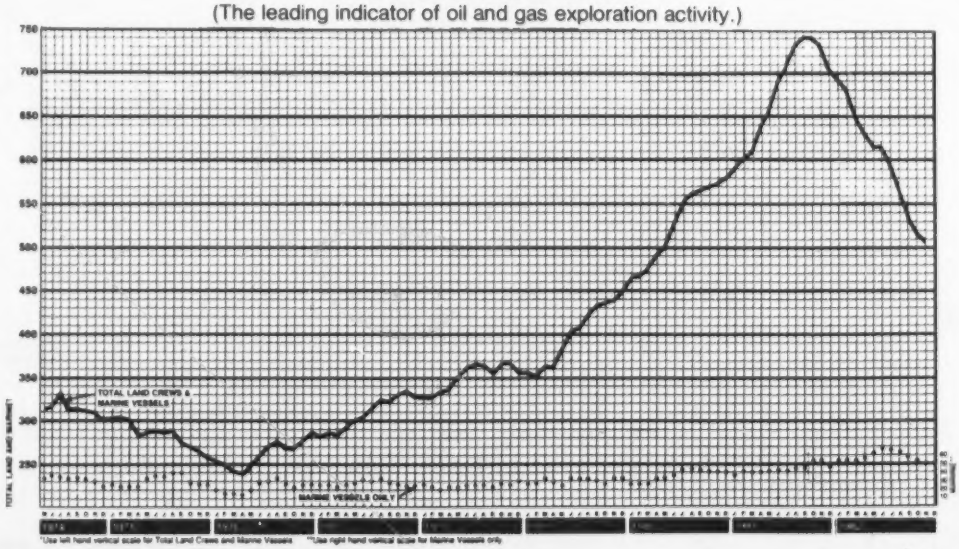
During November, eleven contractors were operating thirty of the 410 land crews and three of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Nov.'81	Nov.'80	Nov.'79	Nov.'78	Nov.'77	Nov.'76
	502	516	733	572	439	369	335	275

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Nov. 1981	Nov. 1980	Nov. 1979	Nov. 1978	Nov. 1977	Nov. 1976	This Mo.	Last Mo.	Nov. 1981	Nov. 1980	Nov. 1979	Nov. 1978	Nov. 1977	Nov. 1976
82 Contr's:	410	423	638	491	369	304	274	216	42	42	45	33	25	22	21	19
10 Oil Co's:	42	42	43	40	39	38	35	34	7	8	7	7	4	5	5	6
1 Gov't.:	0	0	0	0	0	0	0	--	1	1	0	1	2	0	0	--
Totals:	452	465	681	531	408	342	309	250	50	51	52	41	31	27	26	25

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

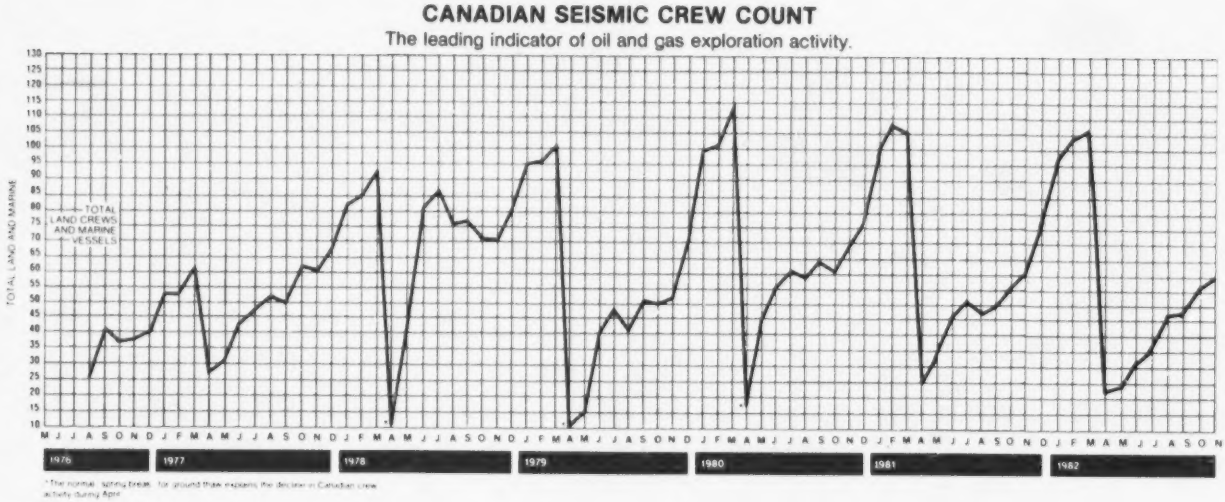


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

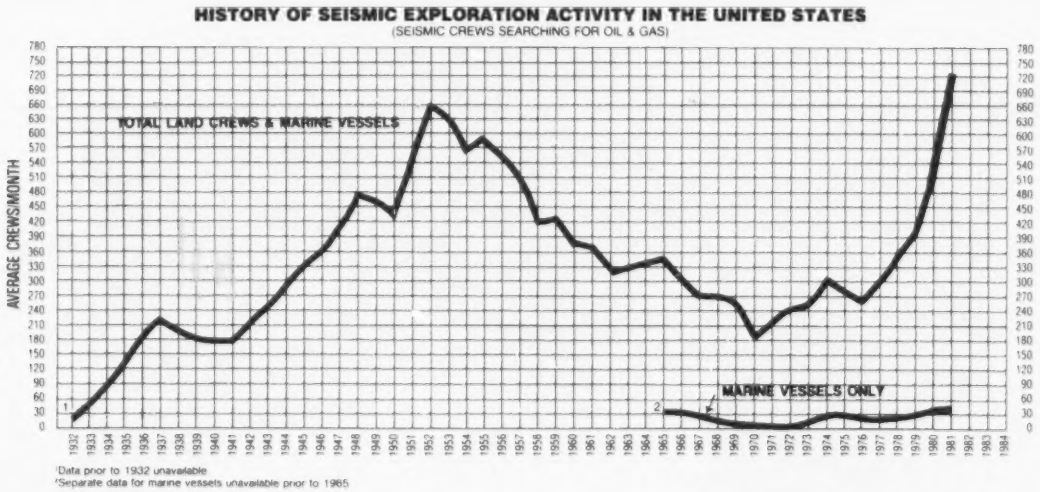
CANADIAN SEISMIC CREW COUNT

November, 1982 (October figures in parentheses)

	Land Crews	Marine Vessels
22 Contractors:	51 (47)	5 (6)
3 Oil Companies:	4 (4)	0 (0)
Totals:	55 (51)	5 (6)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS/MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
1
2

[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

BEST AVAILABLE COPY

A8912-1 1/18/83

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE January 7, 1983

MONTHLY SEISMIC CREW COUNT (Month of December, 1982)

The Society of Exploration Geophysicists reported today the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters declined during December. The total number of seismic crews and vessels active during December was 477, down twenty-five from the 502 reported operating in November.

The December total (477) represents a decrease of 5% over last month, a 32% decrease over December, 1981, an 18% decrease over December, 1980, a 6% increase over December, 1979, a 33% increase over December, 1978, a 45% increase over December, 1977, and a gain of 67% over the same month in 1976.

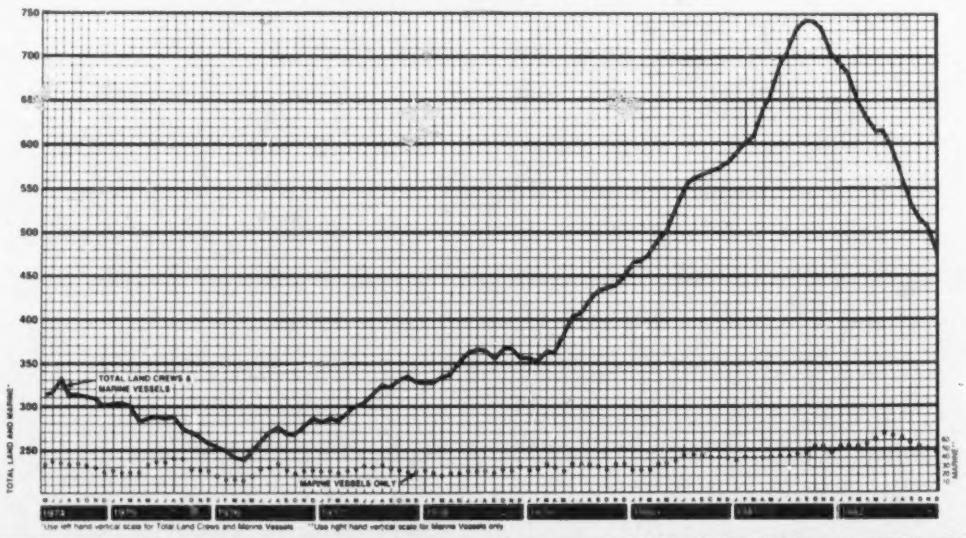
During December, ten contractors were operating nineteen of the 386 land crews and three of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Dec.'81	Dec.'80	Dec.'79	Dec.'78	Dec.'77	Dec.'76
	477	502	703	580	450	358	329	286

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Dec. 1981	Dec. 1980	Dec. 1979	Dec. 1978	Dec. 1977	Dec. 1976	This Mo.	Last Mo.	Dec. 1981	Dec. 1980	Dec. 1979	Dec. 1978	Dec. 1977	Dec. 1976
83 Contr's:	386	410	613	500	380	290	268	225	42	42	39	34	25	23	21	22
10 Oil Co's:	42	42	43	40	39	38	35	34	7	7	8	6	4	7	5	5
1 Gov't.:	0	0	0	0	0	0	0	--	0	1	0	0	2	0	0	--
Totals:	428	452	656	540	419	328	303	259	49	50	47	40	31	30	26	27

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

SEG Headquarters Office: Box 3098, Tulsa, Oklahoma 74101, Tel. (918) 743-1365

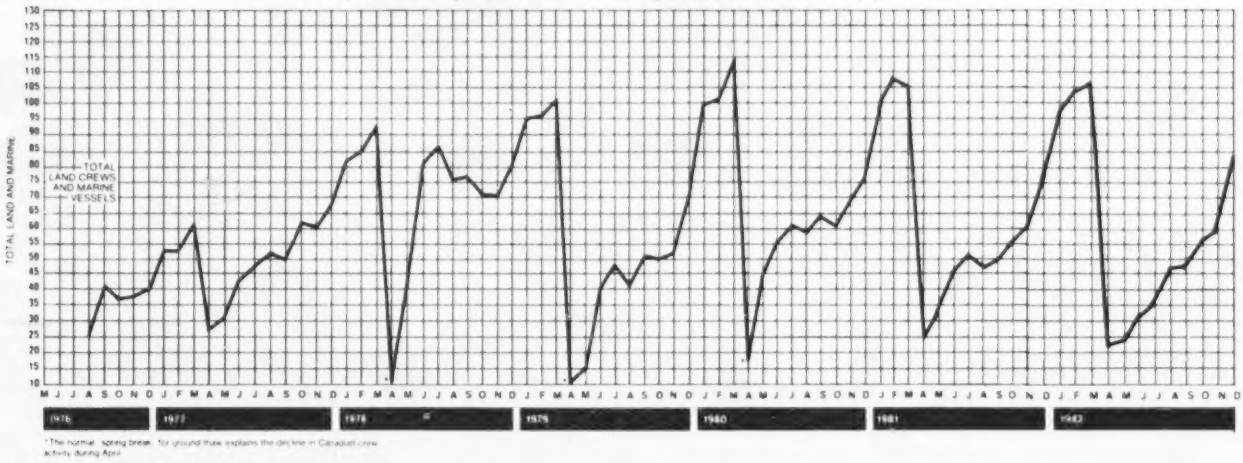
CANADIAN SEISMIC CREW COUNT

December, 1982 (November figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	76 (51)	4 (5)
3 Oil Companies:	4 (4)	0 (0)
Totals:	80 (55)	4 (5)

CANADIAN SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

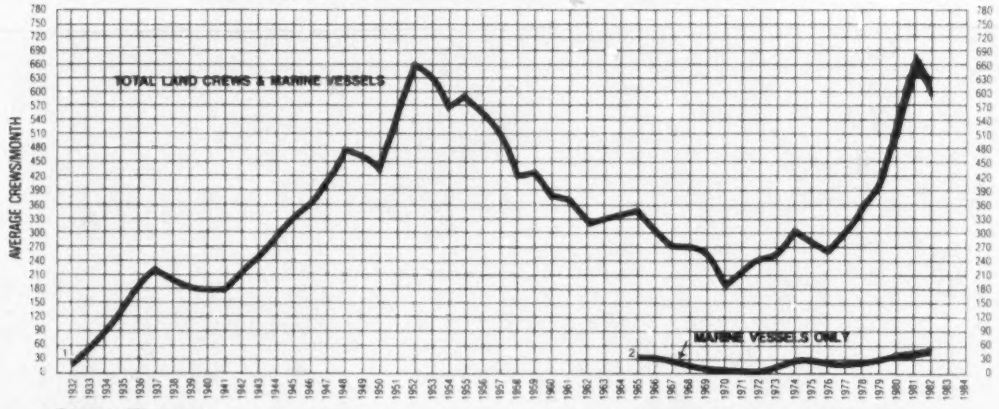


*The normal spring break-up ground thaw explains the decline in Canadian crew activity during April

SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES

(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE February 9, 1983

MONTHLY SEISMIC CREW COUNT (Month of January, 1983)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during January declined by twenty-one from the December total. According to the Society of Exploration Geophysicists' latest monthly report, the January total was 456, compared with 477 the preceding month.

The January total (456) represents a decrease of 4% from last month, a 35% decrease from January, 1982, a 23% decrease from January, 1981, a 3% decrease from January, 1980, a 28% increase over January, 1979, a 39% increase over January, 1978, and a gain of 63% over the same month in 1977.

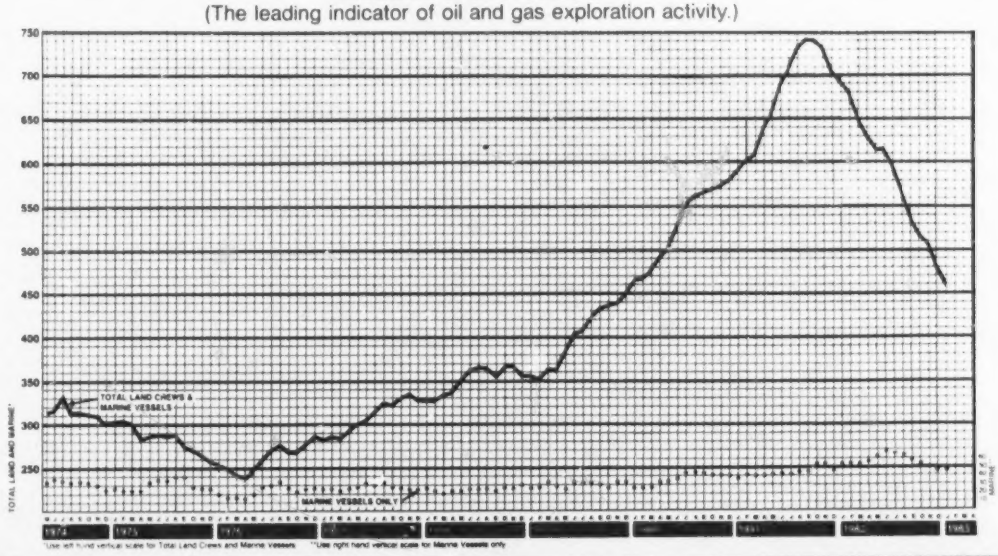
During January, eleven contractors were operating eighteen of the 365 land crews and three of the forty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 456	Last Month 477	Jan.'82 695	Jan.'81 591	Jan.'80 468	Jan.'79 355	Jan.'78 328	Jan.'77 280

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Jan. 1982	Jan. 1981	Jan. 1980	Jan. 1979	Jan. 1978	Jan. 1977	This Mo.	Last Mo.	Jan. 1982	Jan. 1981	Jan. 1980	Jan. 1979	Jan. 1978	Jan. 1977
83 Contr's:	365	386	599	513	400	290	267	220	42	42	46	32	24	21	20	20
10 Oil Co's:	42	42	43	40	39	37	35	34	7	7	7	6	5	7	6	6
1 Gov't.:	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0	--
Totals:	407	428	642	553	439	327	302	254	49	49	53	38	29	28	26	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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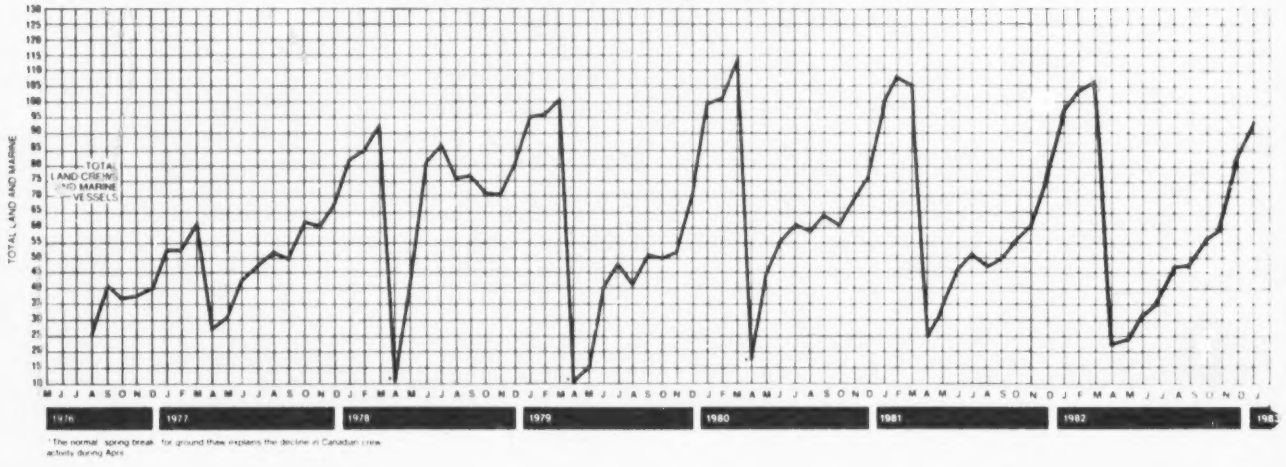
CANADIAN SEISMIC CREW COUNT

January, 1983 (December figures in parentheses)

	Land Crews	Marine Vessels
25 Contractors:	83 (76)	6 (4)
3 Oil Companies:	4 (4)	0 (0)
Totals:	87 (80)	6 (4)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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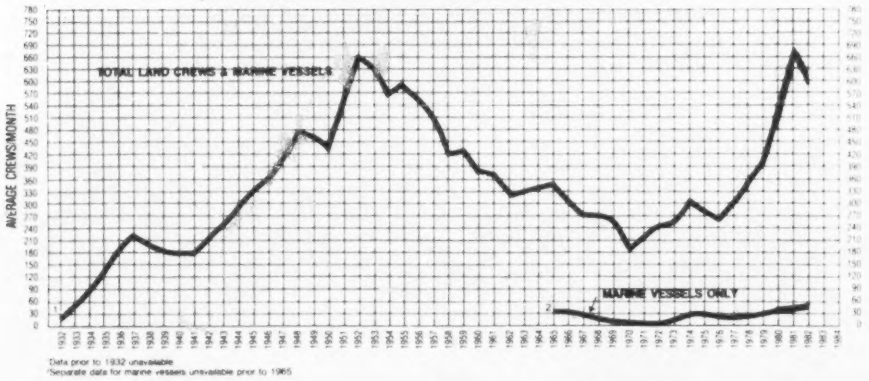
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



DAVID L. YOWELL
Assistant Executive Director

SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE March 9, 1983

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT (Month of February, 1983)

The Society of Exploration Geophysicists reported today the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters declined by five during February. The total number of seismic land crews and marine vessels active during February was 451, down three land crews and two vessels from the 456 crews reported operating in January.

The February total (451) represents a decrease of 1% over last month, a 33% decrease from February, 1982, a 25% decrease from February, 1981, a 4% decrease from February, 1980, a 29% increase over February, 1979, a 38% increase over February, 1978, and a gain of 58% over the same month in 1977.

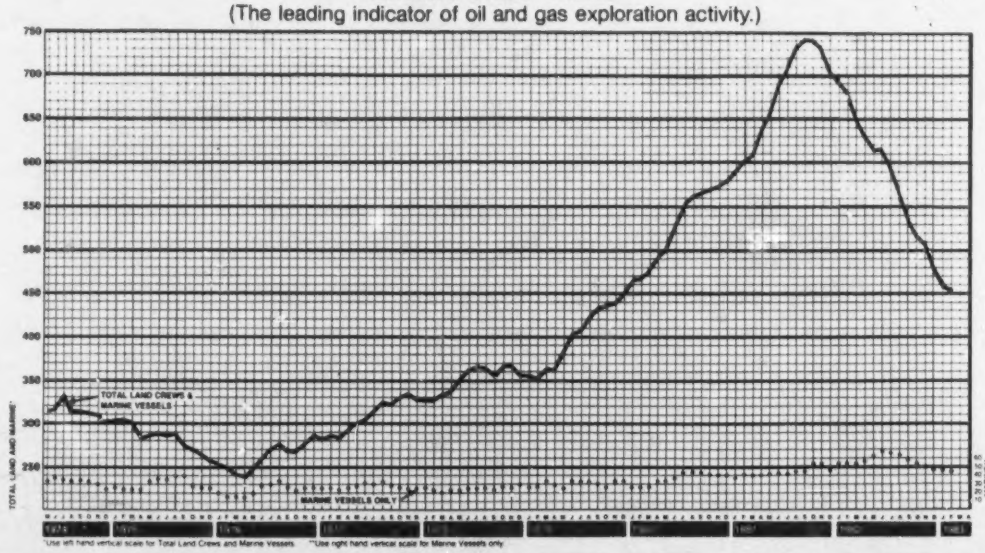
During February, eleven contractors were operating twenty of the 362 land crews and two of the forty vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 451	Last Month 456	Feb.'82 678	Feb.'81 602	Feb.'80 469	Feb.'79 350	Feb.'78 328	Feb.'77 286

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Feb. 1982	Feb. 1981	Feb. 1980	Feb. 1979	Feb. 1978	Feb. 1977	This Mo.	Last Mo.	Feb. 1982	Feb. 1981	Feb. 1980	Feb. 1979	Feb. 1978	Feb. 1977
79 Contr's:	362	365	582	520	401	284	270	225	40	42	46	34	24	22	18	21
10 Oil Co's:	42	42	43	41	39	37	35	34	7	7	7	7	5	7	5	6
1 Gov't.:	0	0	0	0	0	0	0	--	0	0	0	0	0	0	0	--
Totals:	404	407	625	561	440	321	305	259	47	49	53	41	29	29	23	27

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Use left hand vertical scale for Total Land Crews and Marine Vessels. **Use right hand vertical scale for Marine Vessels only.

*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

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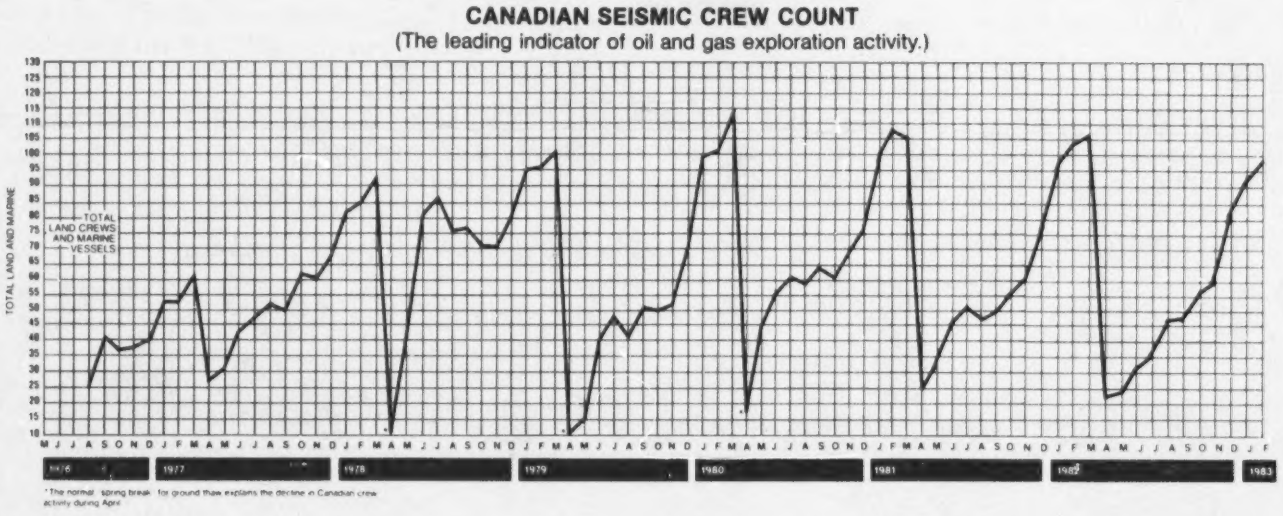
CANADIAN SEISMIC CREW COUNT

February, 1983 (January figures in parentheses)

	Land Crews	Marine Vessels
25 Contractors:	89 (83)	5 (6)
3 Oil Companies:	4 (4)	0 (0)
Totals:	93 (87)	5 (6)



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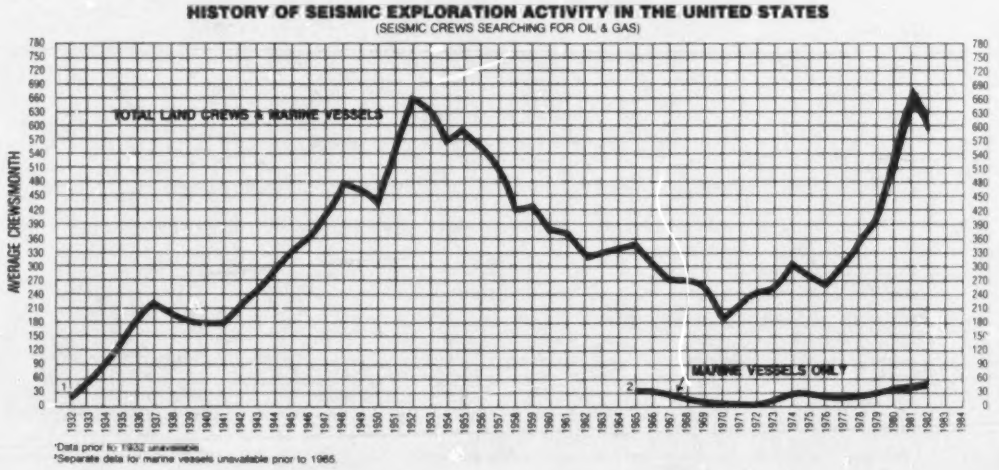

HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS/MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY

DAVID L. YOWELL
Assistant Executive Director

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE

MONTHLY SEISMIC CREW COUNT

April 11, 1983

(Month of March, 1983)

During March, the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters declined by four. According to the Society of Exploration Geophysicists, the March total was 447, down two land crews and two vessels since February. The report noted, however, an additional fourteen land crews had contracts to operate but were idled by inclement weather.

The March total (447) represents a decrease of 1% from last month, a 31% decrease from March, 1982, a 27% decrease from March, 1981, a 6% decrease from March, 1980, a 23% increase over March, 1979, a 26% increase over March, 1978, and a gain of 59% over the same month in 1977.

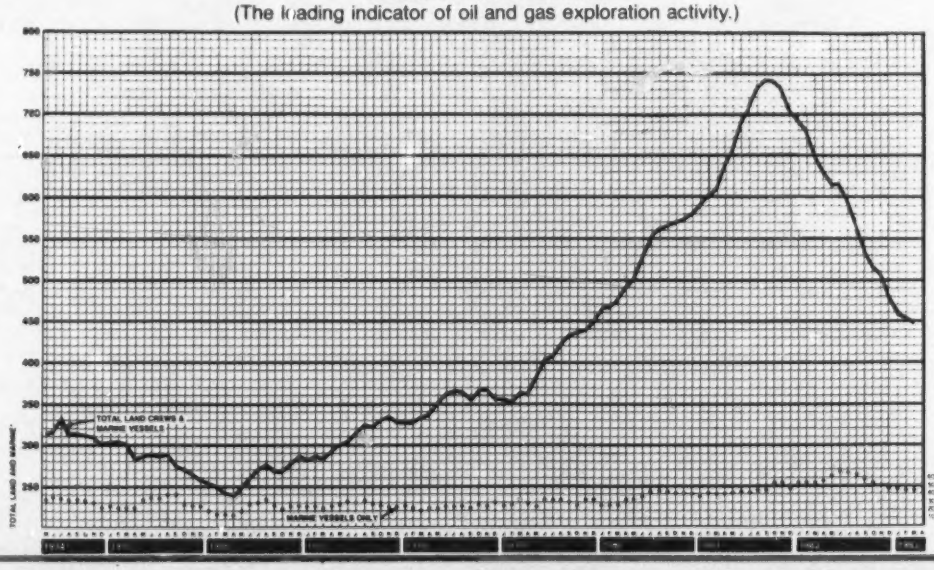
During March, eleven contractors were operating twenty-one of the 360 land crews and four of the thirty-eight vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Mar.'82	Mar.'81	Mar.'80	Mar.'79	Mar.'78	Mar.'77
	447	451	649	610	477	364	334	282

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Mar. 1982	Mar. 1981	Mar. 1980	Mar. 1979	Mar. 1978	Mar. 1977	This Mo.	Last Mo.	Mar. 1982	Mar. 1981	Mar. 1980	Mar. 1979	Mar. 1978	Mar. 1977
76 Contr's:	360	362	554	529	409	295	278	226	38	40	45	33	23	24	15	17
10 Oil Co's:	42	42	43	41	39	37	36	34	7	7	7	7	6	7	5	5
1 Gov't.:	0	0	0	0	0	0	0	--	0	0	0	0	0	1	0	--
Totals:	402	404	597	570	448	332	314	260	45	47	52	40	29	32	20	22

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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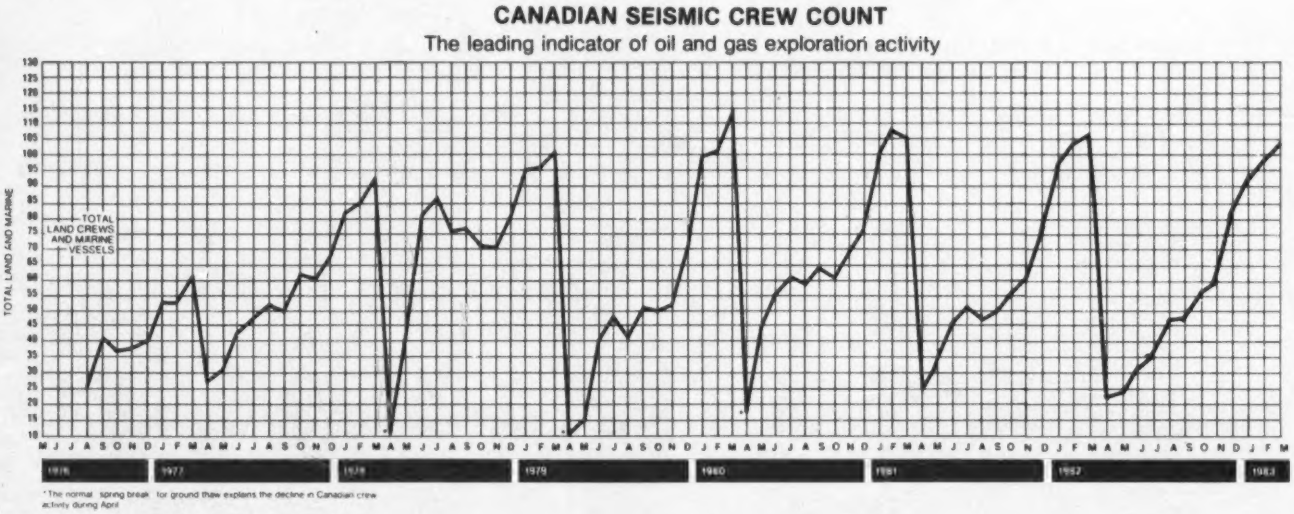
SEG Headquarters Office: Box 3098, Tulsa, Oklahoma 74101, Tel. (918) 743-1365

CANADIAN SEISMIC CREW COUNT

March, 1983 (February figures in parentheses)

	Land Crews	Marine Vessels
25 Contractors:	95 (89)	5 (5)
3 Oil Companies:	4 (4)	0 (0)
Totals:	99 (93)	5 (5)



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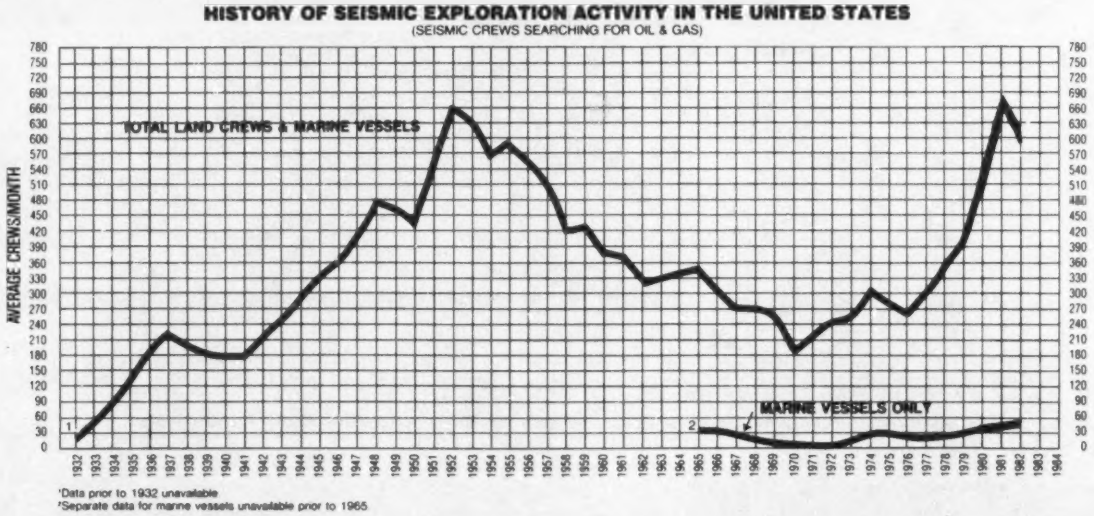
HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS/MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
*Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

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SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

May 9, 1983

Contact: David L. Yowell
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MONTHLY SEISMIC CREW COUNT (Month of April, 1983)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during April increased by two from the March total. The April total reflected the first monthly increase since June, 1982. According to the Society of Exploration Geophysicists' latest monthly report, the April total was 449, compared with 447 the previous month. An additional five land crews had contracts but were idled due to inclement weather.

The April total (449) represents an increase of one-half of one percent over last month, a 28% decrease from April, 1982, a 30% decrease from April, 1981, a 9% decrease from April, 1980, a 25% increase over April, 1979, a 31% increase over April, 1978, and a gain of 54% over the same month in 1977.

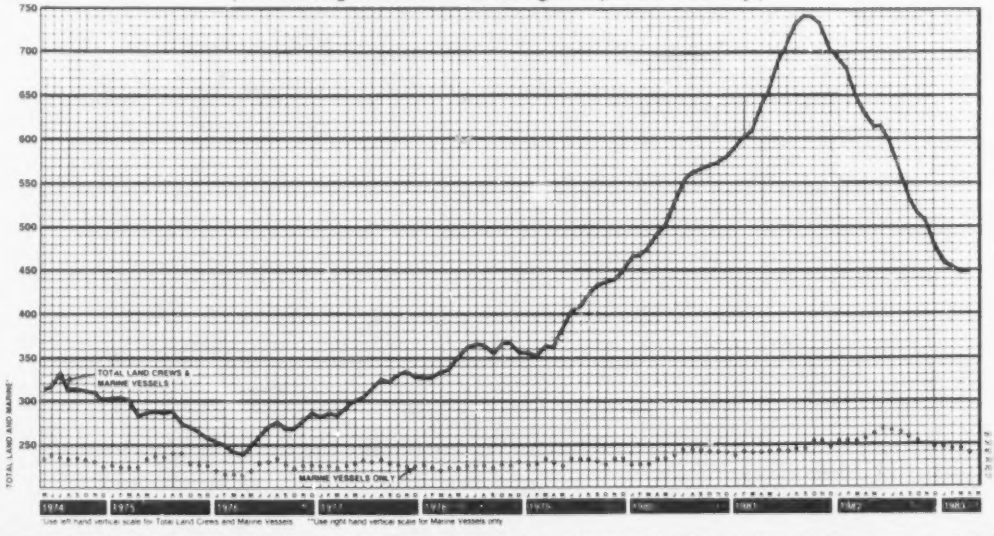
During April, twelve contractors were operating twenty of the 369 land crews and four of the thirty-two vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Apr.'82	Apr.'81	Apr.'80	Apr.'79	Apr.'78	Apr.'77
	449	447	626	645	496	360	342	292

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Apr. 1982	Apr. 1981	Apr. 1980	Apr. 1979	Apr. 1978	Apr. 1977	This Mo.	Last Mo.	Apr. 1982	Apr. 1981	Apr. 1980	Apr. 1979	Apr. 1978	Apr. 1977
77 Contr's:	369	360	528	564	426	293	285	232	32	38	48	32	25	22	16	21
10 Oil Co's:	41	42	43	41	39	37	36	34	7	7	7	7	6	7	5	5
1 Gov't.:	0	0	0	0	0	0	0	--	0	0	0	1	0	1	0	--
Totals:	410	402	571	605	465	330	321	266	39	45	55	40	31	30	21	26

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

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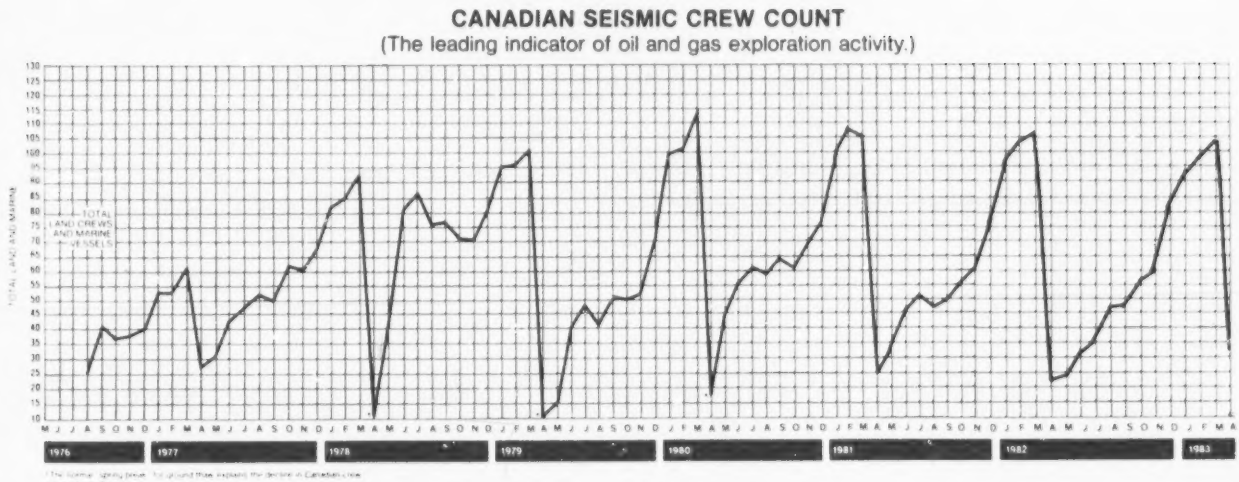
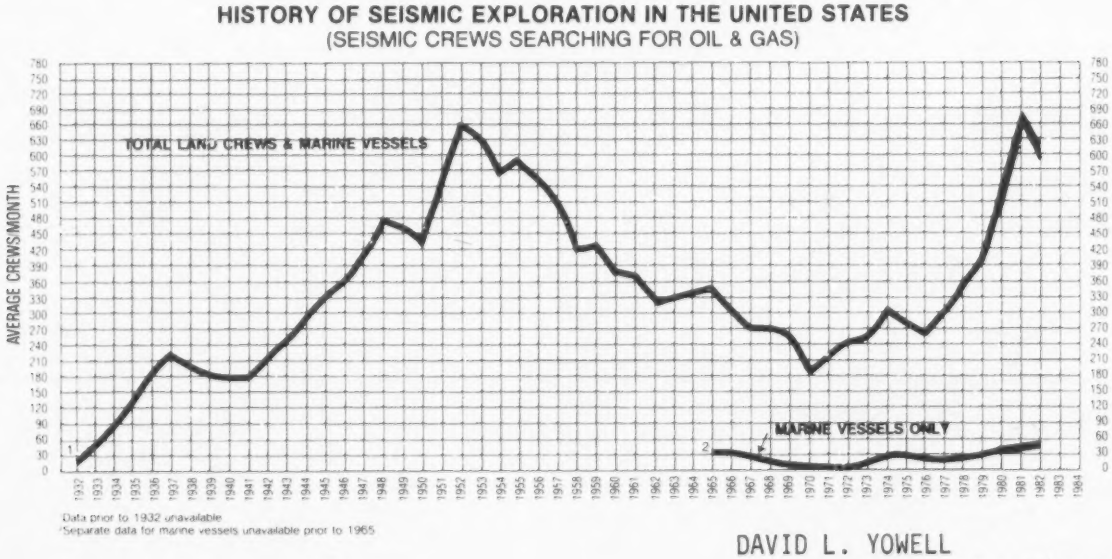
CANADIAN SEISMIC CREW COUNT

April, 1983 (March figures in parentheses)

	Land Crews	Marine Vessels
16 Contractors:	26 (95)	4 (5)
1 Oil Company:	2 (4)	0 (0)
Totals:	28 (99)	4 (5)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS/MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
Data prior to 1932 unavailable
Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

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SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
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FOR IMMEDIATE RELEASE

MONTHLY SEISMIC CREW COUNT

June 10, 1983

(Month of May, 1983)

During May, the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters increased by six. According to the Society of Exploration Geophysicists, the May total was 455, compared with 449 in April.

The May total (455) represents an increase of 1% over last month, a 9% decrease from May, 1982, a 31% decrease from May, 1981, a 9% decrease from May, 1980, a 19% increase over May, 1979, a 30% increase over May, 1978, and a gain of 51% over the same month in 1977.

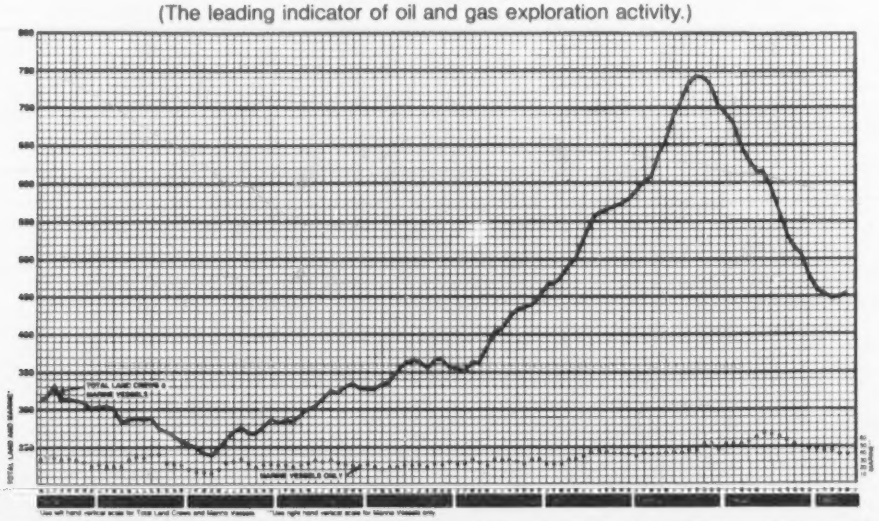
During May, six contractors were operating ten of the 375 land crews and three of the thirty-three vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 455	Last Month 449	May '82 612	May '81 661	May '80 502	May '79 383	May '78 351	May '77 301

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	May 1982	May 1981	May 1980	May 1979	May 1978	May 1977	This Mo.	Last Mo.	May 1982	May 1981	May 1980	May 1979	May 1978	May 1977
80 Contr's:	375	369	503	578	429	317	294	238	33	32	53	34	28	21	15	23
10 Oil Co's:	41	41	43	41	39	38	36	34	6	7	8	7	6	6	5	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
Totals:	416	410	551	619	468	355	330	272	39	39	61	42	34	28	21	29

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



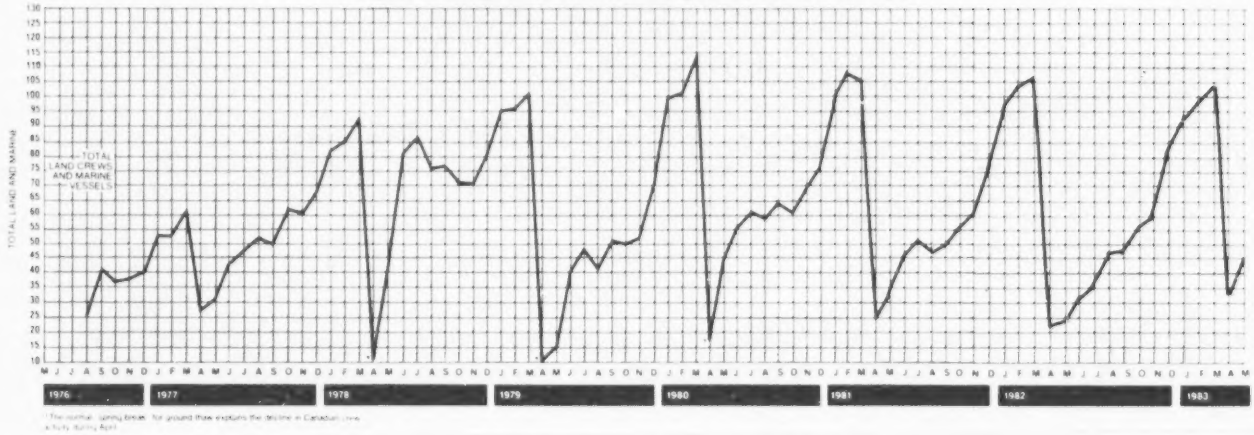
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

May, 1983 (April figures in parentheses)

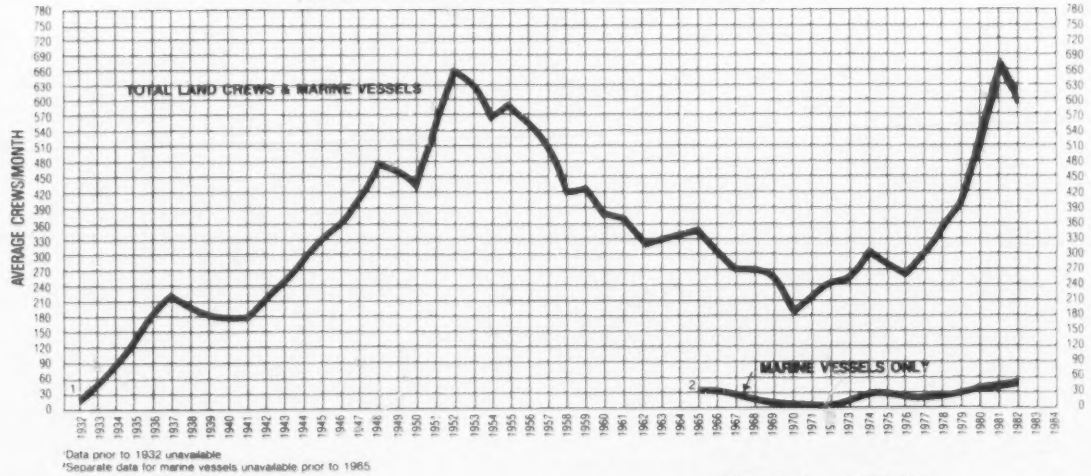
	Land Crews	Marine Vessels
20 Contractors:	40 (26)	7 (4)
2 Oil Companies:	3 (2)	0 (0)
Totals:	43 (28)	7 (4)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

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SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
(918) 743-1365

FOR IMMEDIATE RELEASE July 7, 1983

MONTHLY SEISMIC CREW COUNT (Month of June, 1983)

According to the Society of Exploration Geophysicists' latest report, the number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters during June increased by twenty-two crews and vessels over May. The June total was 471, compared with 449* in May. The June increase represents the largest monthly increase since August, 1981, nearly two years ago.

The June total (471) represents an increase of 5% over last month, a 23% decrease from June, 1982, a 32% decrease from June, 1981, a 12% decrease from June, 1980, a 17% increase over June, 1979, a 30% increase over June, 1978, and a gain of 54% over the same month in 1977.

During June, nine contractors were operating seventeen of the 387 land crews and four of the thirty-seven vessels on a speculative basis.

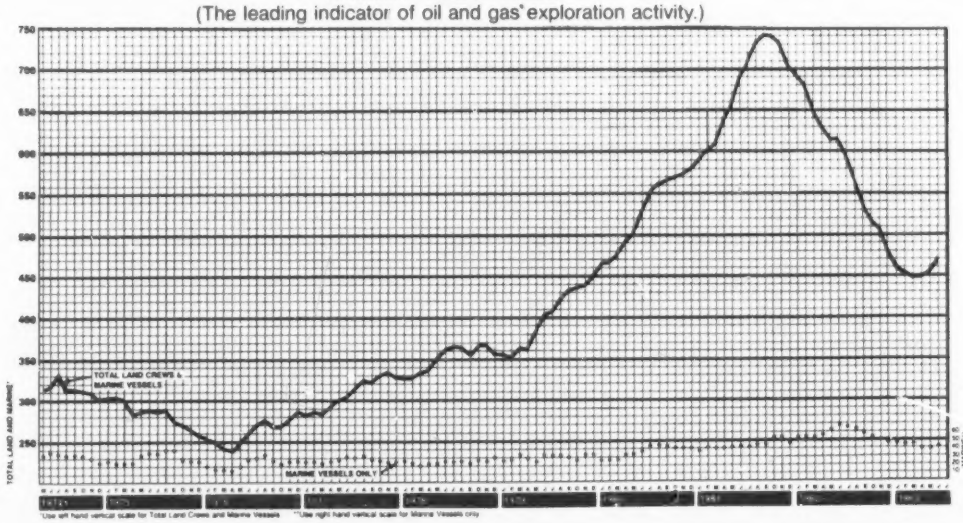
TOTAL LAND & MARINE CREWS:	This Month	Last Month	June 82	June 81	June 80	June 79	June 78	June 77
	471	449*	615	696	535	404	362	305

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	June 1982	June 1981	June 1980	June 1979	June 1978	June 1977	This Mo.	Last Mo.	June 1982	June 1981	June 1980	June 1979	June 1978	June 1977
81 Contr's:	387	369	503	610	457	333	300	240	37	33	62	37	32	26	20	24
10 Oil Co's:	41	41	43	42	39	39	36	34	6	6	7	6	6	5	5	6
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1
Totals:	428	410	546	652	496	372	336	274	43	39	69	44	39	32	26	31

*The original 455 total for May included six land crews which had been reported twice.

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)

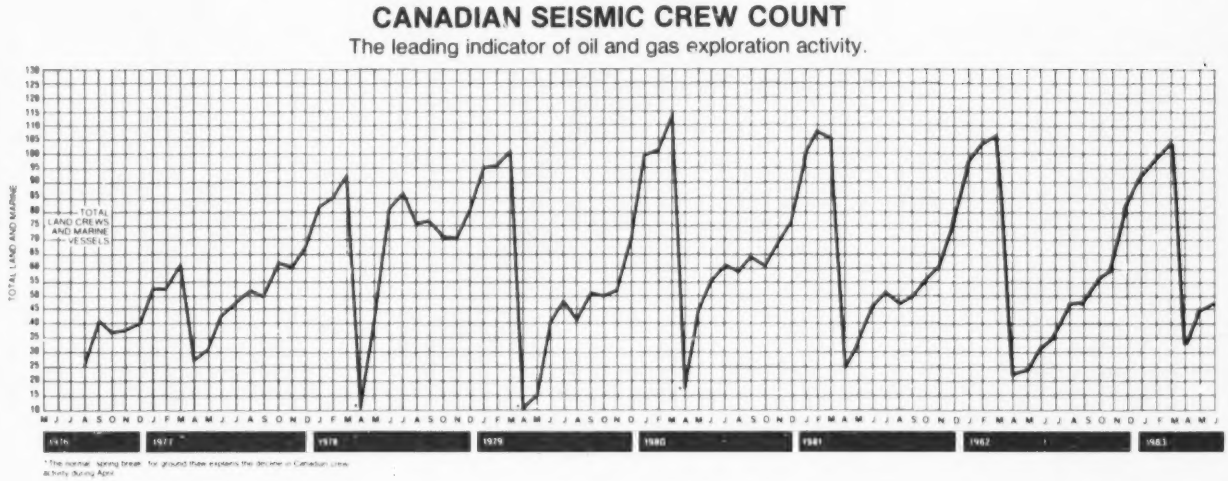


*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

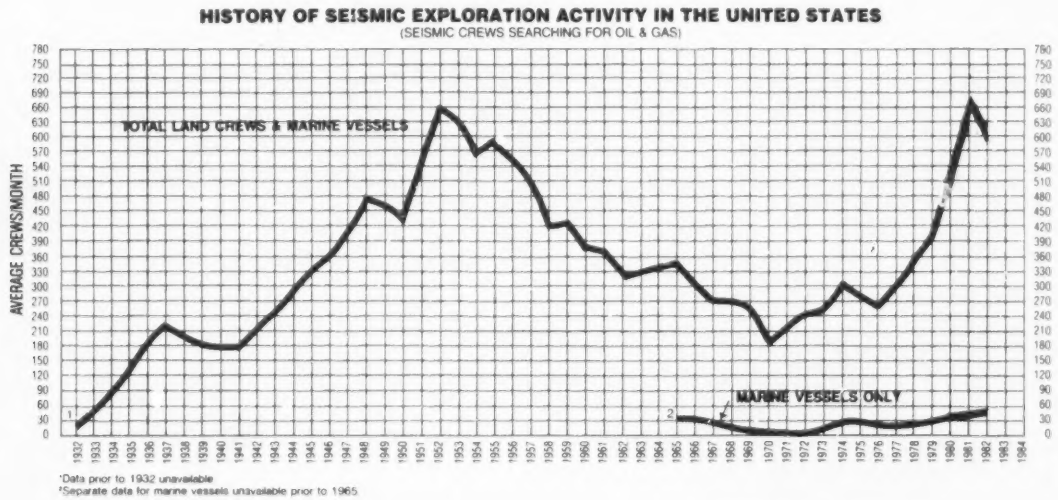
CANADIAN SEISMIC CREW COUNT

June, 1983 (May figures in parentheses)

	Land Crews	Marine Vessels
24 Contractors:	42 (40)	7 (7)
3 Oil Companies:	4 (3)	0 (0)
Totals:	46 (43)	7 (7)



SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.


HISTORY OF SEISMIC EXPLORATION ACTIVITY IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)
AVERAGE CREWS/MONTH
TOTAL LAND CREWS & MARINE VESSELS
MARINE VESSELS ONLY
*Data prior to 1932 unavailable
†Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
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FOR IMMEDIATE RELEASE

August 10, 1983

MONTHLY SEISMIC CREW COUNT

(Month of July, 1983)

During July the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters was 483, compared with 471 in June. However, the Society of Exploration Geophysicists' survey reports that eleven of the twelve crew increase since June was due to the addition of seven land crews and four marine vessels operated by four contractors not previously included in the survey.

The July total (483) represents an increase of 3% over last month, a 19% decrease from July, 1982, a 32% decrease from July, 1981, a 13% decrease from July, 1980, a 19% increase over July, 1979, a 32% increase over July, 1978, and a gain of 53% over the same month in 1977.

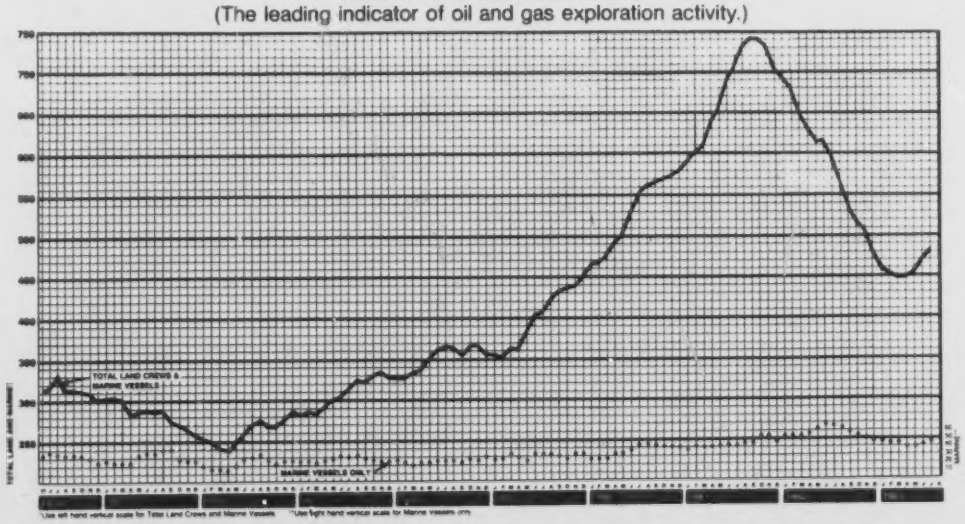
During July, eight contractors were operating ten of the 397 land crews and three of the forty-one vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month 483	Last Month 471	July 82 593	July 81 711	July 80 556	July 79 407	July 78 367	July 77 315

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	July 1982	July 1981	July 1980	July 1979	July 1978	July 1977	This Mo.	Last Mo.	July 1982	July 1981	July 1980	July 1979	July 1978	July 1977
85 Contr's:	397	387	484	625	475	337	303	250	41	37	58	36	35	26	21	23
9 Oil Co's:	40	41	43	43	39	39	38	35	5	6	7	6	6	4	4	6
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Totals:	437	428	527	668	514	376	341	285	46	43	66	43	42	31	26	31

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



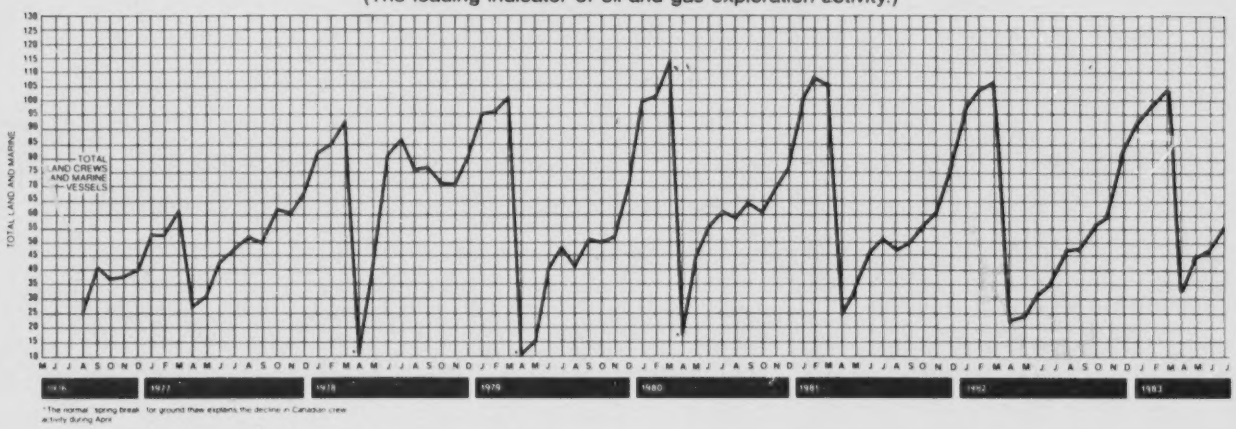
*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

CANADIAN SEISMIC CREW COUNT

July, 1983 (June figures in parentheses)

	Land Crews	Marine Vessels
24 Contractors:	44 (42)	9 (7)
2 Oil Companies:	3 (4)	0 (0)
Totals:	47 (46)	9 (7)

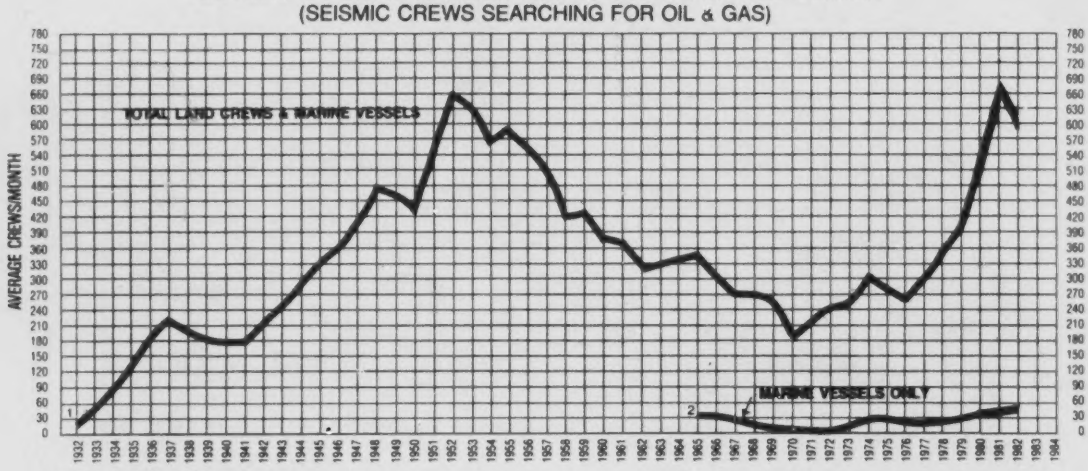
CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



*The normal spring break-up ground thaw explains the decline in Canadian crew activity during April

SEG's monthly USA Seismic Crew survey was organized in 1974 at the request of the United States' Federal Energy Administration. The report is currently submitted to the U.S. Department of Energy. Both the U.S. and the international surveys are financed by a grant from the International Association of Geophysical Contractors.

HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



*Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

9/13/83
A8912-1

SEG news release

Society of Exploration Geophysicists

Contact: David L. Yowell
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FOR IMMEDIATE RELEASE

September 7, 1983

MONTHLY SEISMIC CREW COUNT

(Month of August, 1983)

The number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters increased by one from the July total. According to the Society of Exploration Geophysicists' latest monthly report, the August total was 484, compared with 483 the previous month.

The August total (484) represents an increase of less than 1% over last month, a 14% decrease from August, 1982, a 34% decrease from August, 1981, a 14% decrease from August, 1980, a 14% increase over August, 1979, a 33% increase over August, 1978, and a gain of 48% over the same month in 1977.

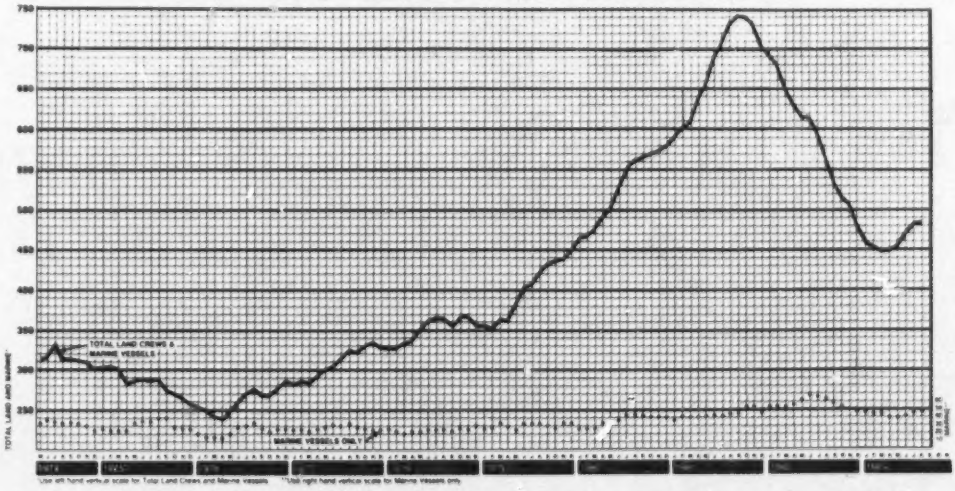
During August, ten contractors were operating sixteen of the 396 land crews and three of the forty-three vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Aug. 82	Aug. 81	Aug. 80	Aug. 79	Aug. 78	Aug. 77
	484	483	562	735	565	424	365	326

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Aug. 1982	Aug. 1981	Aug. 1980	Aug. 1979	Aug. 1978	Aug. 1977	This Mo.	Last Mo.	Aug. 1982	Aug. 1981	Aug. 1980	Aug. 1979	Aug. 1978	Aug. 1977
85 Contr's:	396	397	458	646	482	354	301	261	43	41	54	39	36	25	22	25
10 Oil Co's:	39	40	42	43	39	39	37	34	6	5	7	6	7	5	4	5
1 Gov't.:	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
Totals:	435	437	500	689	521	393	338	295	49	46	62	46	44	31	27	31

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



*Results of SEG's Seismic Crew Count of land and marine vessels engaged in exploration for oil and gas in the USA and USA waters, including Alaska, for the month indicated. These figures are compiled from data reported by oil companies operating company-owned seismic exploration crews and vessels and by contract seismic exploration companies. Special significance is attached to seismic crew activity since it is recognized as the leading indicator of all petroleum exploration activity.

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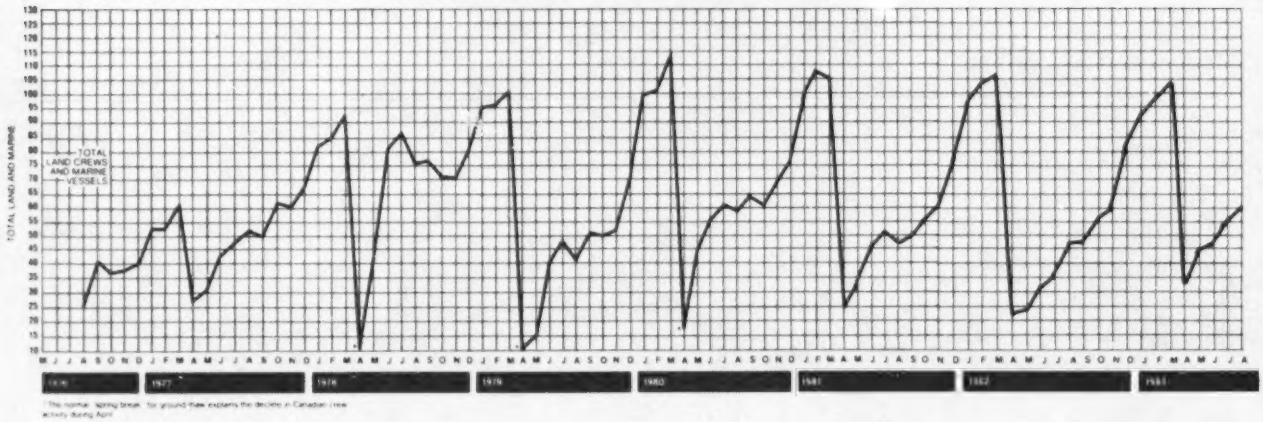
CANADIAN SEISMIC CREW COUNT

August, 1983 (July figures in parentheses)

	Land Crews	Marine Vessels
24 Contractors:	48 (44)	11 (9)
1 Oil Company:	2 (3)	0 (0)
Totals:	50 (47)	11 (9)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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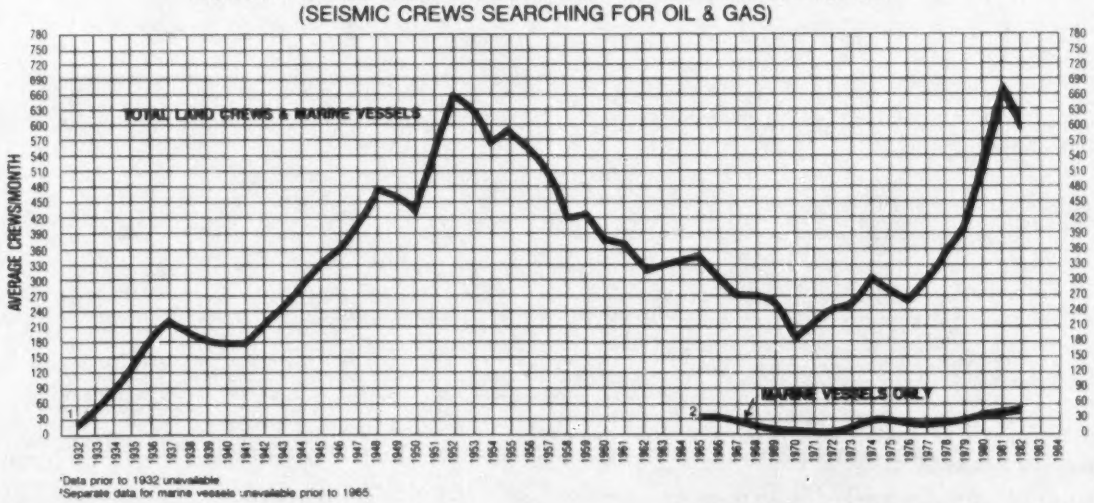
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



[1]Data prior to 1932 unavailable
[2]Separate data for marine vessels unavailable prior to 1965

DAVID L. YOWELL
Assistant Executive Director

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SEG news release

Society of Exploration Geophysicists

FOR IMMEDIATE RELEASE

October 7, 1983

Contact: David L. Yowell
(918) 743-1365

MONTHLY SEISMIC CREW COUNT

(Month of September, 1983)

During September, the total number of seismic land crews and marine vessels searching for oil and gas in the U.S. and U.S. waters was 501, compared with 484 in August. The increase since August represents a gain of nine land crews and eight vessels. The September total marks the first time the count has risen above 500 since November, 1982.

The September total (501) represents an increase of 4% over last month, a 6% decrease from September, 1982, a 33% decrease from September, 1981, a 12% decrease from September, 1980, a 16% increase over September, 1979, a 42% increase over September, 1978, and a gain of 57% over the same month in 1977.

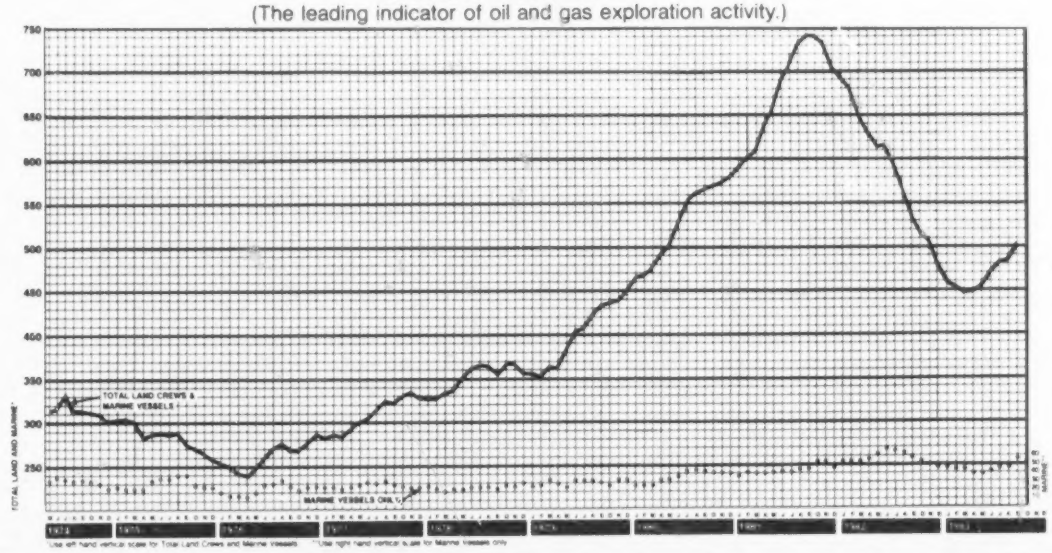
During September, seven contractors were operating eighteen of the 405 land crews and six of the forty-nine vessels on a speculative basis.

TOTAL LAND & MARINE CREWS:	This Month	Last Month	Sept'82	Sept'81	Sept'80	Sept'79	Sept'78	Sept'77
	501	484	535	744	567	433	354	320

	LAND CREWS								MARINE VESSELS							
	This Mo.	Last Mo.	Sep. 1982	Sep. 1981	Sep. 1980	Sep. 1979	Sep. 1978	Sep. 1977	This Mo.	Last Mo.	Sep. 1982	Sep. 1981	Sep. 1980	Sep. 1979	Sep. 1978	Sep. 1977
87 Contr's:	405	396	434	654	484	364	297	257	49	43	50	40	36	24	17	24
10 Oil Co's:	39	39	42	43	39	39	36	34	7	6	8	6	7	4	3	4
1 Gov't.:	0	0	0	0	0	0	0	0	1	0	1	1	1	2	1	1
Totals:	444	435	476	697	523	403	333	291	57	49	59	47	44	30	21	29

SEISMIC CREW COUNT

(The leading indicator of oil and gas exploration activity.)



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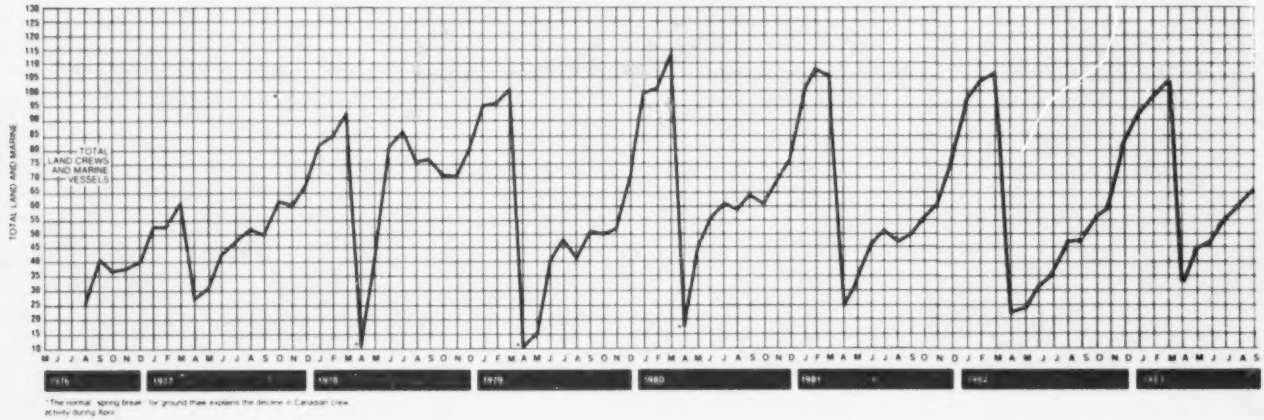
CANADIAN SEISMIC CREW COUNT

September, 1983 (August figures in parentheses)

	Land Crews	Marine Vessels
26 Contractors:	55 (48)	10 (11)
1 Oil Company:	2 (2)	0 (0)
Totals:	57 (50)	10 (11)

CANADIAN SEISMIC CREW COUNT
(The leading indicator of oil and gas exploration activity.)



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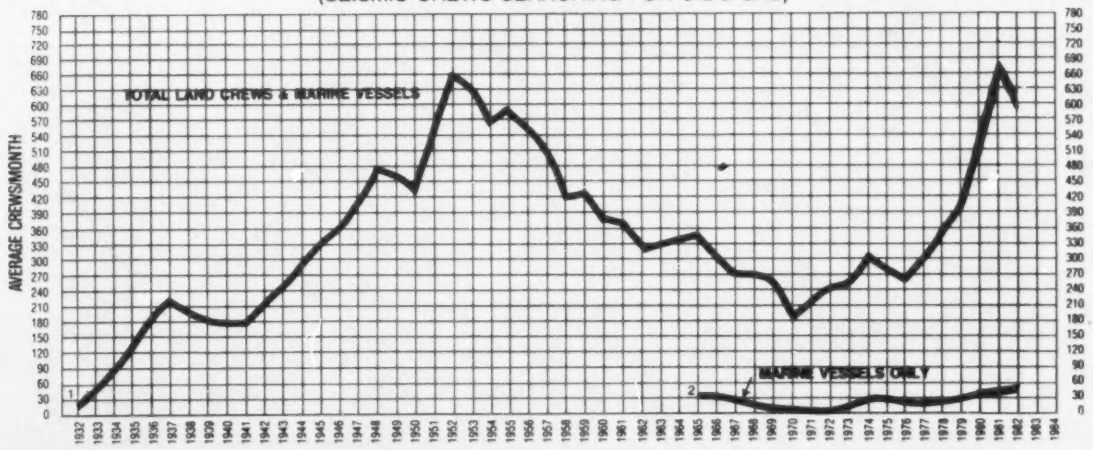
HISTORY OF SEISMIC EXPLORATION IN THE UNITED STATES
(SEISMIC CREWS SEARCHING FOR OIL & GAS)



*Data prior to 1932 unavailable
*Separate data for marine vessels unavailable prior to 1965

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